

ESSO ATF 3309

TOYOTA TSK 1702G, CLASSIFICATION T-IV-A

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Esso Automatic Transmission Fluid (ATF) 3309 meets the Toyota factory fill specification JWS 3309 as defined by the Toyota engineering standards TSK 1702G T-IV and T-IV-A. It is also meets Saturn GM 9986195 and is approved for use in Aisin-Warner transmission AF33.

- ◆ For use in service fill were Toyota T-IV ATF is required
- ◆ Unique frictional properties required by Toyota transmissions
- ◆ Smooth shift performance for approved transmission
- ◆ Reduces shudder in transmissions
- ◆ Long fluid life due to excellent oxidation performance
- ◆ Helps to extend transmission life due to excellent wear control.

Primary Applications

Esso ATF 3309 is recommended for use in transmissions made by Toyota and Aisin-Warner requiring fluids approved against JWS 3309 or GM 9986195. Esso ATF 3309 is also recommended for service fill applications where Toyota T-IV or T4 is recommended. This fluid may also be used where Toyota T-III or T3 is recommended. Please refer to owners' manual for proper fluid requirement.

Performance Features

Good Wear Protection

Provides excellent anti-wear performance in transmission service.

Extended Fluid Life

The use of highly refined base oil and potent oxidation inhibitors retard the rate of fluid breakdown in high temperature service.

Corrosion Control

Provides protection against rusting and corrosion.

High Viscosity Index

Retains adequate lubricating film thickness for severe high temperature service with excellent fluidity at low temperatures.

Reduced Foam

Contains an effective anti-foam agent for transmission service.

Seal Compatibility

Optimized seal swell agents to provide excellent compatibility with modern, high temperature seal materials as well as those used in older transmissions.

Lubricating Characteristics

Helps in providing quiet operation, smooth shifting and excellent wear protection.

Proper Viscosity

Transmission of power is smooth and efficient throughout all normal temperature ranges.

Low Temperature Flow

To ensure needed fluidity at start-up, the formulation has been design for operation at -40 C.

Easily Recognized

Contains a red dye to distinguish between transmission fluid and engine oil.

Precautions

Esso ATF 3309 is manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to our ESSO Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

Typical Properties

Color	Red
Flash COC, °C	>185
Pour Point ASTM	<-45
Viscosity, -40°C, cP	14,000
Viscosity 100°C, cSt	7.2
Viscosity 40°C, cSt	35
Viscosity Index	180
Density	0.8540
TAN	1.4
TBN	2.3

The values shown above are representative of current production. All may vary within modest ranges.